

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

1 of 5

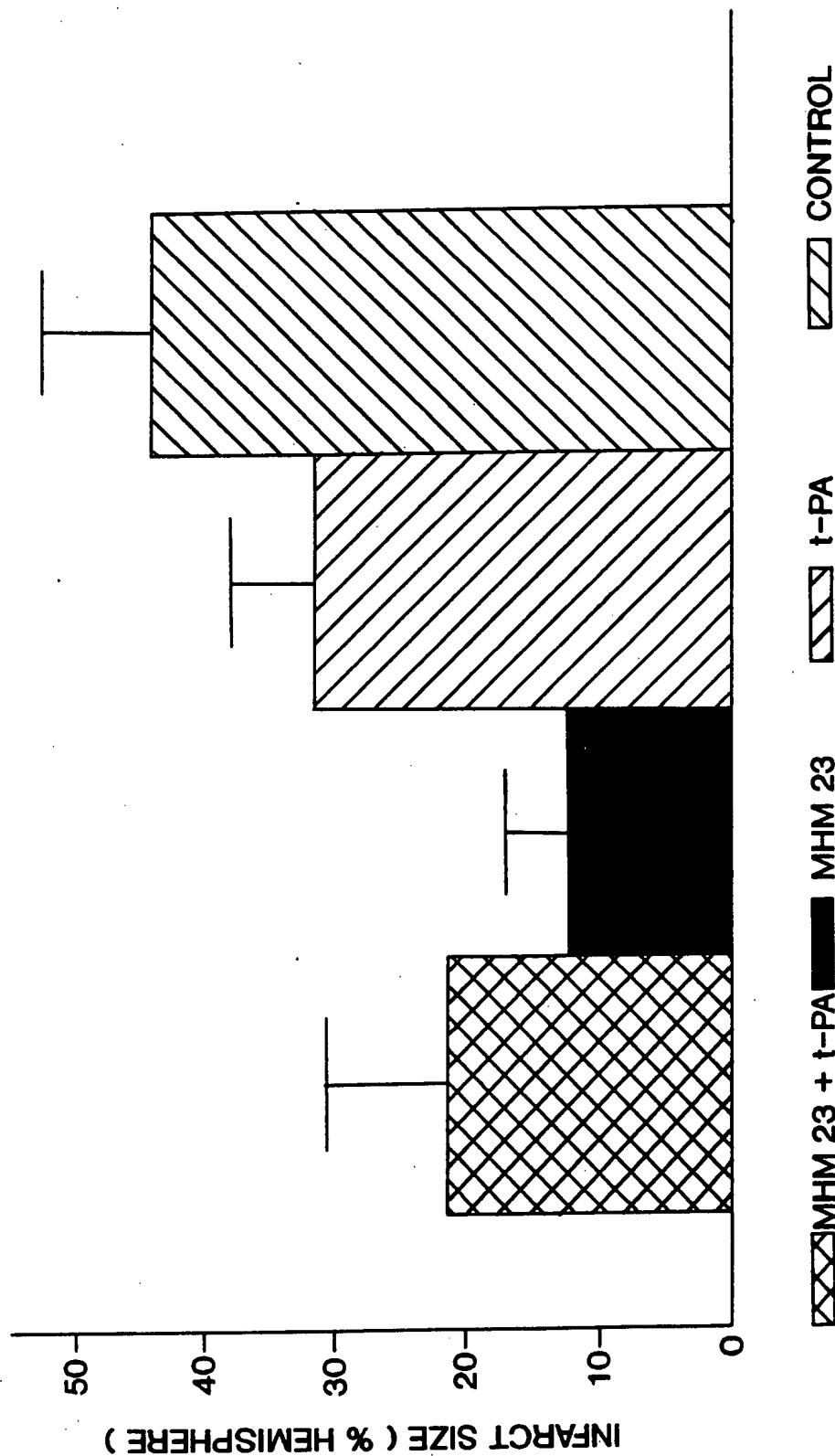


FIG. 1

APPROVED	O.G. FIG.	
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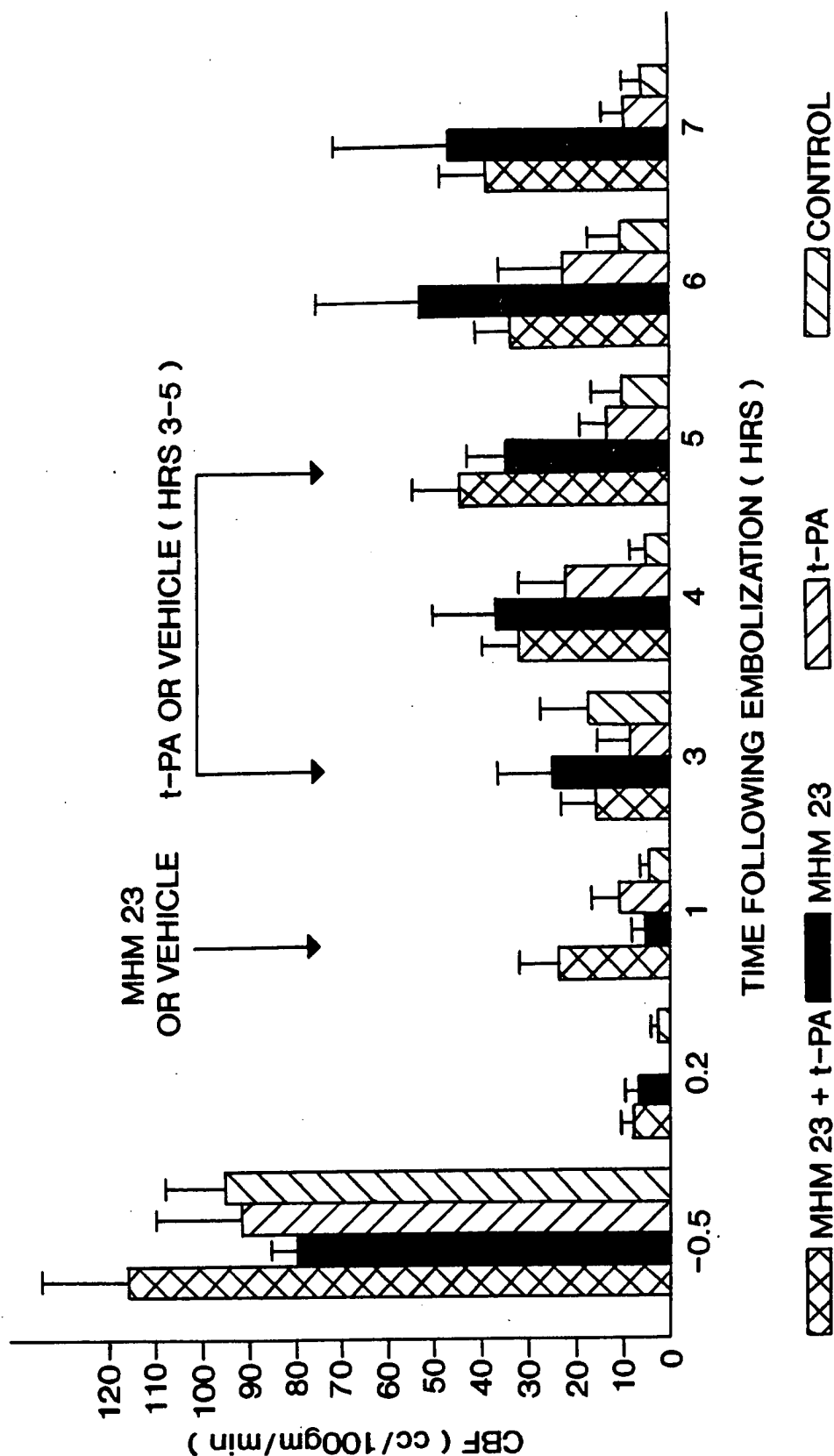


FIG. 2

APPROVED	O.G. FIG.	
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TOP SECRET

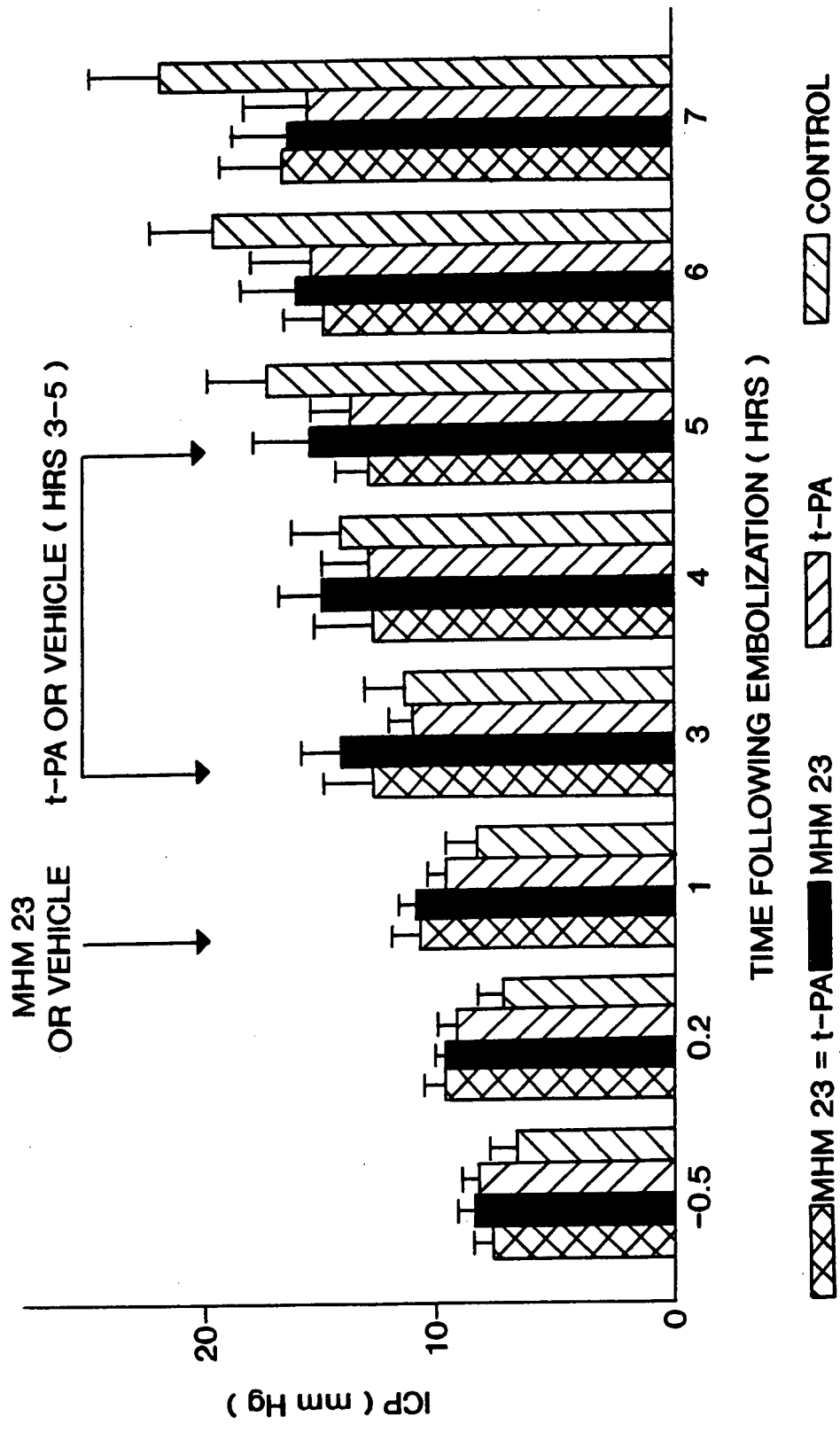


FIG. 3

APPROVED	O.G. FIG.	
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hIgG₁ Sequence of human IgG1 CH1 domain
hIgG₂ Sequence of human IgG2 CH1 domain
hIgG₃ Sequence of human IgG3 CH1 domain
hIgG₄ Sequence of human IgG4 CH1 domain
humκ Sequence of human kappa CL domain
humλ Sequence of human lambda CL domain

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              114                      128                      139
              |                      |                      |
hIgG1  A S T K G P S V F P L A P S S K S T S G G T A A L
hIgG2  A S T K G P S V F P L A P C S R S T S E S T A A L
hIgG3  A S T K G P S V F P L A P C S R S T S G G T A A L
hIgG4  A S T K G P S V F P L A P C S R S T S E S T A A L

              108                      122                      131
              |                      |                      |
humκ    R T V A A P S V F I F P P S D E Q L K S G T A S V
humλ    Q P K A A P S V T L F P P S S E E L Q A N K A T L
  
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Fabv1b  A S T K G P S V F P L A P S P K N S S M I S N T P A L
of interest      P K N S S M I S N T P
  
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most important

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hIgG1  G C L V K D Y F P E P V T V S W N S G A L T S
hIgG2  G C L V K D Y F P E P V T V S W N S G A L T S
hIgG3  G C L V K D Y F P E P V T V S W N S G A L T S
hIgG4  G C L V K D Y F P E P V T V S W N S G A L T S

humκ    V C L L N N F Y P R E A K V Q W K V D N A L Q
humλ    V C L I S D F Y P G A V T V A W K A D S S P V
  
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Fabv1b  G C L V K D Y F P E P V T V S W N S G A L T S

hIgG1  G V H T F P A V L Q S S G - - - L Y S L S S V
hIgG2  G V H T F P A V L Q S S G - - - L Y S L S S V
  
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FIG. 4A

APPROVED	O.G. FIG.	
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hIgG ₃	G V H T F P A V L Q S S G - - - L Y S L S S V
hIgG ₄	G V H T F P A V L Q S S G - - - L Y S L S S V
humκ	S G N S Q E S V T E Q D S K D S T Y S L S S T
humλ	K A G V E T T T P S K Q S N N - K Y A A S S Y

Fabv1b	G V H T F P A V L Q S S G - - - L Y S L S S V
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	193	200	203	
	I	I	I	
hIgG ₁	V T V P S S S L G T -	Q T Y I C N V N H K P S		
hIgG ₂	V T V P S S N F G T -	Q T Y T C N V D H K P S		
hIgG ₃	V T V P S S S L G T -	Q T Y T C N V N H K P S		
hIgG ₄	V T V P S S S L G T -	K T Y T C N V D H K P S		

	181	190	
	I	I	
humκ	L T L S K A D Y E K H K V Y A C E V T H Q G L		
humλ	L S L T P E Q W K S H R S Y S C Q V T H E G S		

Fabv1b	V T V P H Q S L G T -	Q T Y I C N V N H K P S
of interest	H Q N L S D G K	

most important	<div style="display: flex; align-items: center; gap: 10px;"> *** * * </div>
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hIgG ₁	N T K V D K R V - - -
hIgG ₂	N T K V D K T V - - -
hIgG ₃	N T K V D K R V - - -
hIgG ₄	N T K V D K R V - - -

humκ	S S P V T K S F N R G E C
humλ	T V E K T V A P T E C S

Fabv1b	N T K V D K R V - - -
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FIG. 4B